Please add the following new claims:

- 1 21. (New) In a data link switching (DLSw) network, a method for improving interaction
- between a first remote DLSw device coupled to a remote subnetwork including a switch
- having a forwarding table and a local DLSw device coupled to a local subnetwork including
- local end stations, the local DLSw device establishing a first logical peer connection with the
- first remote DLSw device in response to a failure of a second remote DLSw device, the
- 6 method comprising the steps of:
- acquiring configuration information by way of a Capabilities Exchange message
- 8 having an appended control vector;
- at the first remote DLSw device, using the configuration information to determine the
- local end stations that are reachable through the first logical DLSw peer connection;
- generating one or more test frames at the first remote DLSw device, the test frames
- having source addresses having addresses of the reachable local end stations; and
- forwarding the test frames through the switch to force the switch to immediately up-
- date the forwarding table with (i) a port identifier (ID) of a port receiving the test frames at
- the switch and (ii) the source addresses of those frames.
- 1 22. (New) A method as recited in claim 21 wherein the control vector is a media access
- 2 control (MAC) address list control vector.
- 1 23. (New) In a first data link switching (DLSw) device, a method for improving interac-
- 2 tion between the first DLSw device and a second DLSw device, the method comprising the
- 3 steps of:
- acquiring configuration information by way of a Capabilities Exchange message:
- using the configuration information to determine end stations that are reachable
- through a logical DLSw peer connection with the second DLSw device;

generating one or more test frames, the test frames having source addresses having addresses of the reachable end stations; and

forwarding the test frames towards a switch containing a forwarding table to force the switch to immediately update the forwarding table with (i) a port identifier (ID) of a port receiving the test frames at the switch and (ii) the source addresses of those frames.

- 1 24. (New) An apparatus for improving interaction between a first data link switching
- 2 (DLSw) device and a second DLSw device, the first DLSw device establishing a first logical
- peer connection with the second DLSw device, the apparatus comprising:

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- a configuration data structure having configuration information used to determine end stations that are reachable through the first logical peer connection;
- at least one test frame structure generated by the first DLSw, the test frame having a source address having an address of a reachable end station; and
- means for forwarding the test frame structure towards a switch having a forwarding table to force the switch to immediately update the forwarding table with (i) a port identifier (ID) of a port receiving the test frames at the switch and (ii) the source addresses of those frames.
- 1 25. (New) An apparatus for improving interaction between a first data link switching
- 2 (DLSw) device and a second DLSw device, the first DLSw device establishing a first logical
- peer connection with the second DLSw device, the apparatus comprising:
- means for acquiring configuration information by way of a Capabilities Exchange message;
- 6 means for using the configuration information to determine end stations that are
- reachable through a logical DLSw peer connection with the second DLSw device;